

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

JULY

1978

VOLUME 95

NUMBER 7

Mostly cool and changeable .

A depression to the south of Iceland moved to the northern North Sea between the 1st and the 3rd, its associated fronts crossing the British Isles. A north to north-westerly airstream then covered Britain, and fronts from the Atlantic crossed all areas after the 6th. A ridge from an anticyclone over the Norwegian Sea extended southwards over eastern districts on the 10th, and as the anticyclone gradually moved south-westwards to the Atlantic the whole of the British Isles came within its influence. The high pressure declined by the 18th and frontal systems associated with Atlantic depressions crossed all areas between the 22nd and the 28th. A weak ridge extended across Britain on the 29th, but fronts returned from the east on the 30th and a thundery depression moved from the continent to the English Channel area on the 31st.

Weather

The early part of the month was mostly cool and unsettled, but temperatures rose during the second week and most areas had a spell of mainly dry and sunny weather until around mid-month. Cooler, changeable conditions returned, however, and outbreaks of rain became increasingly frequent after the 21st. There were thunderstorms at times during the last week and occasional gales in the north and west, but a brief warm spell also occurred. Fog patches affected northern and western coasts at times throughout the month and overnight fog occasionally developed in inland areas. Climbers on Ben Avon, in the eastern Grampians, reported a fall of snow at 900 m on the 6th and large patches of snow were still visible on the upper slopes of the Cairngorm mountains at the end of the month.

Wind

Winds were fresh or strong on exposed northern and western coasts until the 9th, reaching gale force locally. Speeds then became light generally until around mid-month, although there were onshore breezes at times. Winds were occasionally fresh or strong on northern coasts during the third week, but such occurrences became more frequent after the 21st and there were gales at times in the north and west. South to south-west winds at the beginning of the month became northerly, then north-westerly, between the 3rd and the 9th. Directions were often variable between the 10th and the 17th, but were mainly west to north-west from the 18th to the 21st. South to south-west winds then predominated until the last few days, when directions became rather variable.

Temperature

Monthly mean temperatures were below normal in all areas. Values were between 1.0 and 1.5 °C below average over most of England and Wales, although departures from the normal were greater than 1.5 °C in a few places, mostly in eastern England, and less than 1.0 °C in parts of southern and north-western England. In Northern Ireland and in Scotland, except in parts of the north and east, where values were between 1.0 and 1.5 °C below average, mean temperatures were generally between 0 and 1 °C below normal. Although the month was generally

cool, it became warm in many parts between the 9th and the 17th, and there was a short warm spell towards the end of the month. Most places recorded their highest temperature during one or other of these periods: in Scotland the temperature rose to 25.5 °C on the 11th at the western end of the Great Glen and on the 28th Gillingham (Kent) recorded a maximum of 27.6 °C.

Rainfall

Rainfall was generally below average in Northern Ireland and also over most of Scotland, although totals were well above average in parts of north-east Scotland, where about 150 per cent of the normal fell in places. Parts of Shetland and southern Scotland also had above-average rainfall. Distribution was rather variable over England and Wales, but most areas, except north-western England, parts of East Anglia and south-eastern England, and a few places in Cornwall and North Wales, had more than their usual July rainfall. Over twice the average fell in parts of Dorset and the south-west Midlands, and also near York. Outbreaks of rain during the early part of the month were accompanied by thunder and hail in places, but it was mostly dry between the 10th and the 17th. The changeable weather then returned and periods of rain were frequent after the 21st. A number of places recorded daily rainfalls exceeding 50 mm and there were some heavy falls in shorter periods. About 70 mm were recorded at Spelga Dam (Co Down) between 13 GMT on the 25th and 02 GMT on the 26th, and 71.4 mm fell at Winfrith (Dorset) in 13 hours from 0325 GMT on the 31st. Thunderstorms occurred in many parts of England towards the end of the month and hailstones measuring 2 cm in diameter were reported at Coltishall (Norfolk) on the 30th.

Sunshine

Sunshine totals were below normal almost everywhere in England and Wales. Monthly values were between 50 and 75 per cent of

average in parts of Lincolnshire, East Anglia and South Wales, and in all southern counties of England, except Cornwall. Southampton had its dullest July since 1944. Totals in remaining districts of England and Wales were between 75 and 100 per cent of average and were nearest to the normal in the north Midlands and north-west England. Sunshine was generally below average in Northern Ireland, except in the south-east. In Scotland totals were mostly between 70 and 100 per cent of average in the east and north, but in Shetland, Baltasound, with only 49 per cent of average (66.5 hours), had its dullest July since records began in 1906. Some western parts of Scotland had above-average sunshine, however, with about 115 per cent of the normal in places. Most of the month's sunshine was recorded between the 9th and the 17th and at times during the last week.

Fog

Fog patches occurred fairly frequently along the coasts of northern Scotland, south-west England and the Channel Islands. Fog also formed along the Welsh coast from time to time and affected the coasts of north-eastern England and eastern Scotland during the last few days of the month. Hill fog occurred occasionally and this was extensive in western areas on the 27th. Patches of overnight fog developed in inland areas between the 10th and the 14th and also towards the end of the month. Except during the second week, much of the fog which occurred around northern coasts, and in England and Wales during the month, was associated with precipitation.

Miscellaneous Phenomena

A funnel cloud was reported over the sea to the north of Manston (Kent) on the evening of the 20th, and on the 30th funnel clouds over the North Downs were observed from Gatwick Airport (West Sussex) in the early afternoon.

Table 1 District values

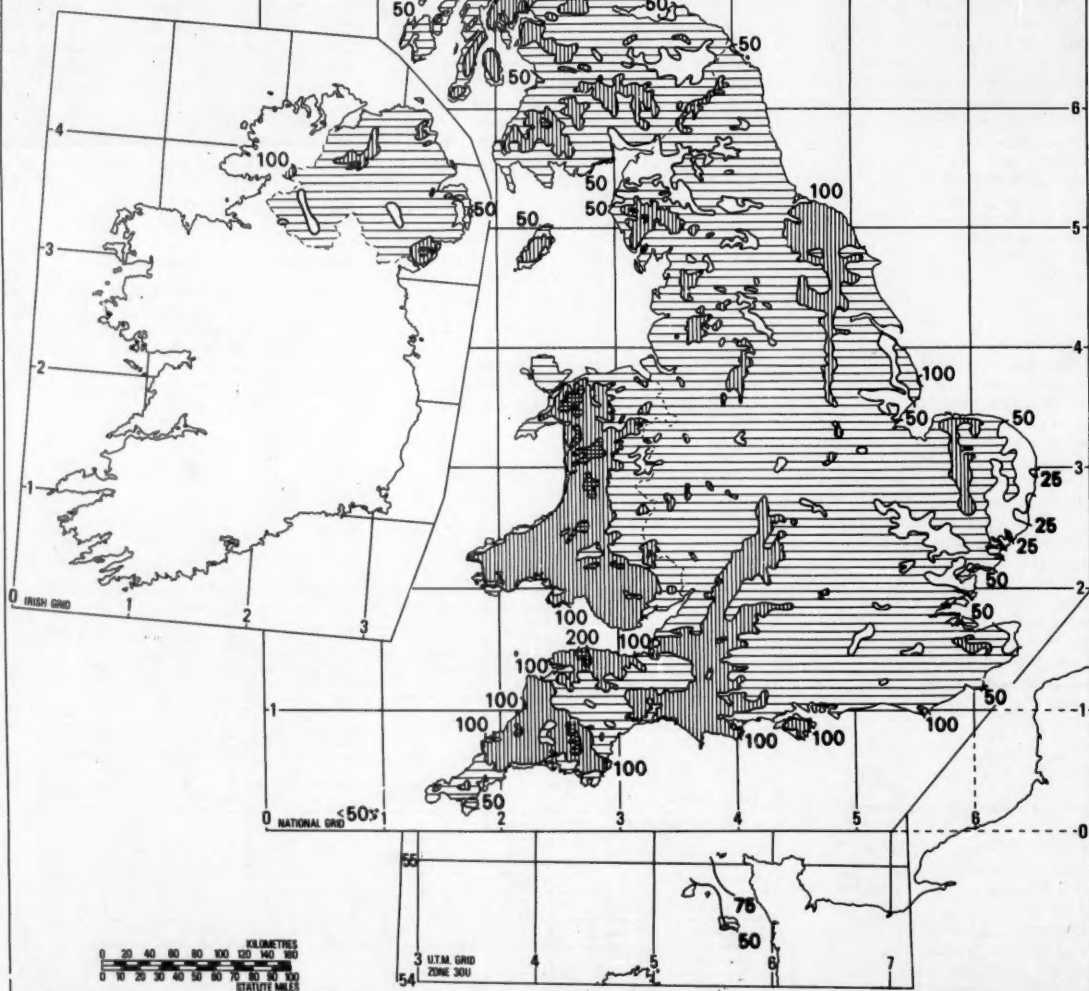
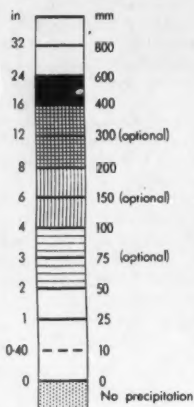
District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
difference from average							% of average		
0 Scotland N	25.5	2.5	-1.2	-0.9	-1.1	-0.9	-1	68	76
1 Scotland E	23.0	2.1	-1.2	-0.6	-0.9	-0.5	-1	92	90
2 England E & NE	25.1	3.0	-1.7	-1.1	-1.4	-0.6	+3	119	81
3 East Anglia	25.7	5.0	-1.9	-0.8	-1.4	-1.3	+2	98	73
4 Midland Counties	26.0	4.8	-1.5	-0.8	-1.2	-1.2	+1	128	83
5 England SE & Central S	26.6	5.3	-1.7	-0.5	-1.1	-1.5	+1	133	69
6 Scotland W	25.5	2.1	-0.6	-1.0	-0.8	-0.7	-3	79	102
7 England NW & Wales N	23.9	5.5	-1.3	-0.9	-1.1	-1.2	-1	106	94
8 England SW & Wales S	27.0	5.7	-1.7	-0.6	-1.1	-0.9	+1	139	73
N Ireland	23.6	2.6	-0.8	-0.4	-0.6	-0.7	-1	80	93
Scotland	25.5	2.1	-1.0	-0.8	-0.9	-0.7	-2	80	89
England & Wales	27.0	3.9	-1.6	-0.8	-1.2	-1.1	+1	121	79

*Highest maximum and lowest minimum of District Value Stations.

RAINFALL (in millimetres)

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The approximate values in inches are given. The exact relation is 254 mm = 10 in



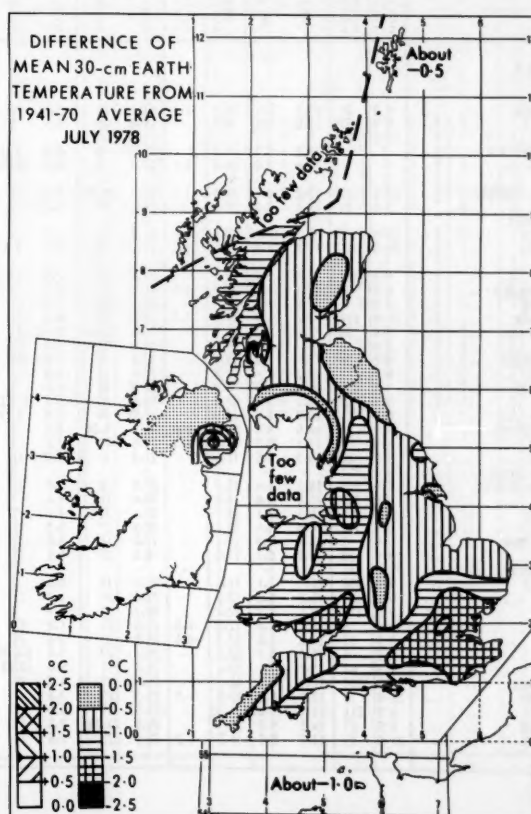
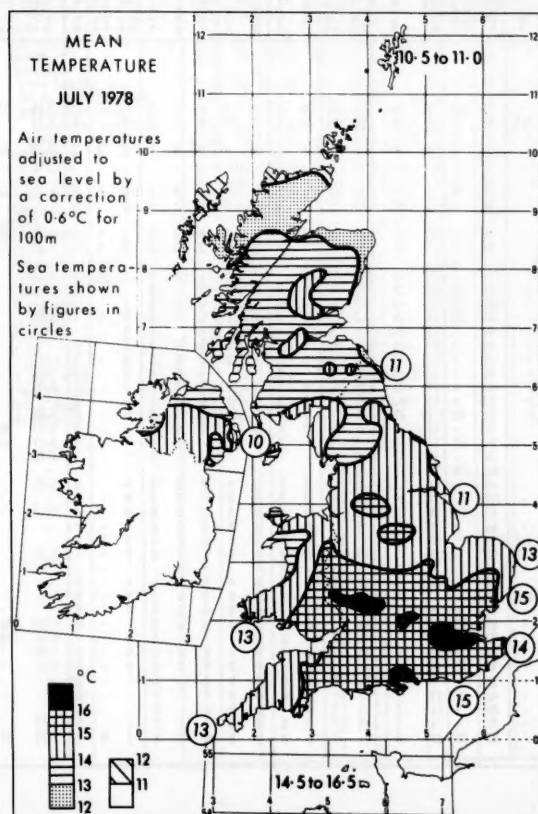
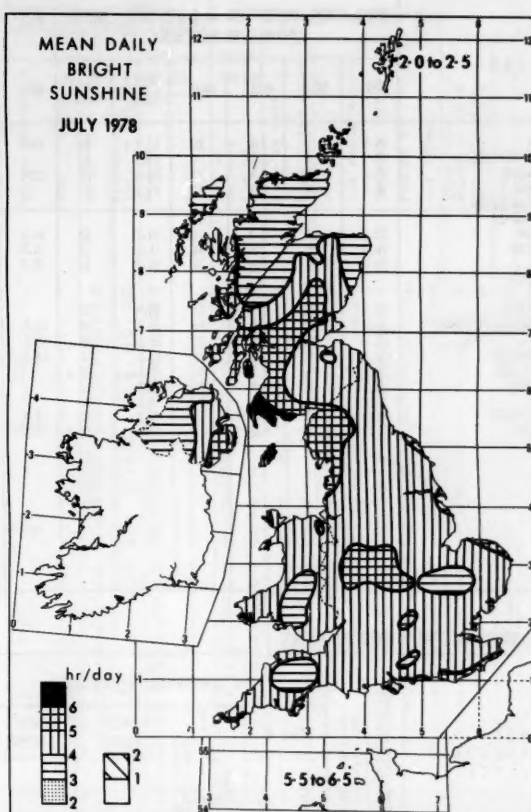
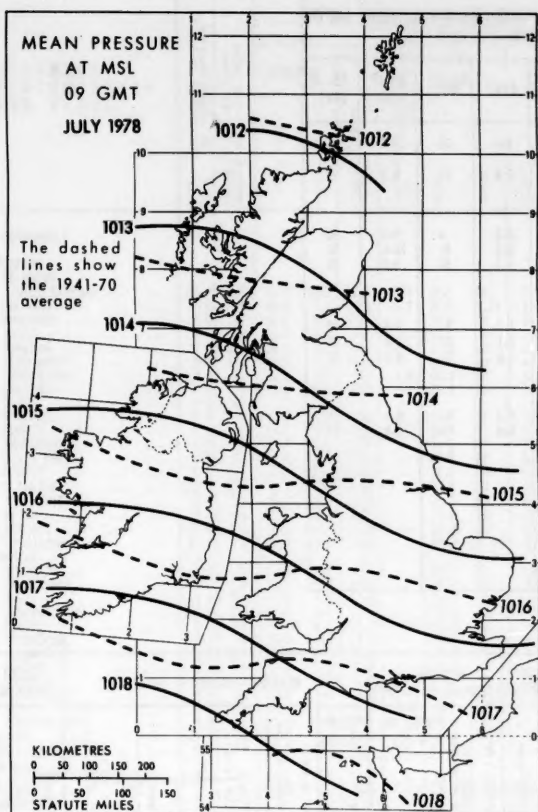


TABLE 2 SOLAR RADIATION

JULY 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	25.9	9	3.5	26	12.7	31	14.2	21	3.4	26	9.2	31
ABERDEEN UNIVERSITY	25.7	9	2.3	4	13.0	31						
ESKDALEHUIR	27.4	10	2.8	27	14.6	28	12.9	16	2.8	27	9.0	28
MOOR HOUSE	30.3	10	2.3	31	15.3	31						
SUTTON BONINGTON												
GRAPTHAM WATER												
ABERFORTH	28.3	24	2.7	4	15.2	33	14.2	21	2.8	4	9.7	30
CARDINGTON	26.0	25	2.6	31	15.1	31	15.2	15	2.6	31	10.4	31
SILSOE	26.7	25	2.1	31	14.7	31	15.2	15	2.0	31	9.9	31
ROTHAMSTED												
GRSTON												
WALLINGFORD	22.4	25	1.7	31	13.8	31						
LONDON WEATHER CENTRE	26.2	25	1.8	31	14.2	30	13.5	14	1.7	31	9.3	30
KEN	26.4	25	2.0	31	14.6	30	13.4	11	2.1	31	9.6	30
EASTHAMPTON	26.1	25	1.6	31	14.9	31	13.1	15	1.6	31	9.8	31
EAST WALLING	26.0	25	0.9	31	13.9	30						
RUSTINGTON	28.5	16	1.8	31	16.8	31						
WAREHAM	27.2	16	2.1	31	15.0	31						
JERSEY AIRPORT	26.8	7	2.1	31	16.2	31	13.9	20	2.1	31	8.7	31
ALDEROPE	27.5	14	4.2	4	15.1	30	13.4	9	4.0	4	9.6	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE				
			MEANS OF		DAILY MEAN (MEAN OF A-B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIPITATION 0.2 MM OR MORE	SNOW OR SLEET SHOWN LYING AT 9H	HAIL	ICE PELLETS, ETC. THUNDER HEARD	FOG AT 9H	AIR FROST	DRASS OF ROAD CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																			
0 SCOTLAND N																													
SHEPHERD	9 9	24	13.1	8.1	10.6	-1.4	17.7	28	5.1	10	10.9	-	79	122	23	30	24	15	0	0	0	0	0	0	0	0	2.15	49	-
BALASOUND	9 9	57	11.6	8.3	9.9	-	14.9	28	6.4	8	10.6	9.8	48	-	13	30	20	13	0	0	0	0	0	0	0	0	2.57	-	-
FAIR ISLE	21-9	82																											
LERWICK			12.2	8.2	10.2	-	16.3	9	6.0	3.16	-	-	65	-	26	30	21	11	0	0	0	0	0	0	0	0	2.73	65	-
PSYCHROMETER			12.4	8.2	10.3	-1.4	16.6	9	6.0	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCREEN																													
ORKNEY	21-9	26	13.2	8.6	10.9	-1.4	18.2	28	5.5	1	-	-	48	74	5	17	21	16	0	0	0	0	0	0	0	0	2.72	61	-
KIRKALL AIRPORT	9 9	24	13.4	8.8	11.1	-	19.0	29	6.2	1	11.8	-	44	-	5	25	21	15	0	0	0	0	0	0	0	0	-	-	-
WESTERN ISLES																													
BENBOLLA	21-9	6	15.0	10.2	12.6	-0.6	22.6	11	7.7	5	-	-	71	-	15	21	24	15	0	0	0	0	0	0	0	0	4.24	85	-
STORMWAY	21-9	15	13.9	9.4	11.7	-1.2	17.1	10	6.6	3.5	-	-	52	-	11	21	16	11	0	0	0	0	0	0	0	0	3.29	77	-
HIGHLAND																													
ACHARY	9 9	107	15.9	8.2	12.1	-	21.8	29	2.8	17	11.6	-	34	-	8	26	12	10	0	0	0	0	0	0	0	0	3.16	-	-
ACHASHELLACH	9 9	67	16.6	8.9	12.7	-0.6	24.3	11	2.5	7	-	-	90	60	22	24	16	13	0	0	0	0	0	0	0	0	-	-	-
BALNACRA	9 9	4	15.9	9.7	12.8	-	20.3	10	4.3	21	-	-	96	80	17	21	17	16	0	0	0	0	0	0	0	0	-	-	-
CAPE WATH	21-9	112	12.2	8.8	10.5	-1.3	19.2	27	6.4	11	-	-	61	68	11	24	17	15	0	0	0	0	0	0	0	0	2.39	-	-
CASSLEY	9 9	99	16.0	8.7	12.3	-	21.5	10.11	3.5	17	-	-	44	-	12	24	14	9	-	-	-	-	-	-	-	-	-	-	-
COPIREH	9 9	8	17.7	9.4	13.5	-	25.5	11	5.0	21	-	-	84	-	23	25	16	12	0	0	0	0	0	0	0	0	-	-	-
CARDORROCH	9 9	38	17.6	8.7	13.1	-	22.6	9	5.5	15	-	-	20	-	6	17	10	6	0	0	0	0	0	0	0	0	-	-	-
DALCROSS	9 9	11	16.2	9.4	12.8	-	22.1	29	4.8	7	-	-	48	-	20	3	13	7	-	-	-	-	-	-	-	-	-	-	-
DALMINTWIE	9 9	351	15.5	6.5	11.0	-	22.3	10	-1.1	7	-	-	42	-	10	25	16	11	0	0	0	0	0	0	0	0	3.70	-	S
DIBARIO	9 9	60	15.1	9.0	12.5	-	21.4	11	6.6	7	-	-	87	-	10	24	21	17	0	0	0	0	0	0	0	0	-	-	-
DOUNREY	9 9	21	14.8	9.1	11.9	-	21.5	29	5.5	1.17	-	-	43	63	10	25	21	15	0	0	0	0	0	0	0	0	2.92	-	-
FORT AUGUSTUS	9 9	21	16.5	9.8	13.1	-0.6	21.4	9.26	3.4	7	-	-	57	-	17	3	14	10	0	0	0	0	0	0	0	0	3.47	91	-
FORTROSE	9 9	5	15.1	10.5	12.8	-1.3	19.6	29	7.1	7	-	-	41	66	17	3	9	7	-	-	-	-	-	-	-	-	3.22	72	-
DEISEIL	9 9	12	15.3	8.5	11.9	-	22.3	11	5.0	11	-	-	74	-	14	17	20	19	-	-	-	-	-	-	-	-	-	-	-
GLENNHUR LODGE	9 9	341	-	-	-	-	-	-	-	-	-	-	141	150	79	3	16	10	-	-	-	-	-	-	-	-	-	-	S
GRANTOWN-ON-SPEY	9 9	229	16.1	7.4	11.7	-	21.9	10	3.0	17	-	-	80	-	41	3	15	12	0	0	0	0	0	0	0	0	3.95	-	-
HERSTE	9 9	109	15.0	9.0	12.0	-	20.4	10	5.4	7	-	-	110	-	21	24	20	15	0	0	0	0	0	0	0	0	-	-	-
INVERNESS	9 9	4	16.6	10.1	13.3	-	21.4	29	7.2	7	-	-	43	67	18	3	12	5	0	0	0	0	0	0	0	0	3.13	-	-
INVERPOLLY	9 9	14	14.8	9.4	12.1	-	20.2	27	5.9	10	12.5	-	66	-	10	27	18	13	0	0	0	0	0	0	0	0	-	-	-
ISLE OF RHUM	9 9	5	16.3	9.8	13.1	-	22.6	11	6.8	10	15.0	13.2	193	91	46	27	17	15	0	0	0	0	0	0	0	0	-	-	-
KEISS	9 9	30	13.8	8.7	11.3	-	19.5	23	5.5	17	12.4	11.5	53	-	14	3	19	15	0	0	0	0	0	0	0	0	3.51	-	-
KILCARRACK	9 9	244	-	-	-	-	-	-	-	-	-	-																	
LAGGANHILL	9 9	250	16.1	7.1	11.6	-	23.7	10	-0.6	7	-	-	38	-	20	3	11	8	0	0	0	0	0	0	0	0	-	-	-
LAIRD	9 9	107	16.2	8.2	12.2	-	21.6	29	1.9	17	12.1	10.4	29	-	7	25	13	7	0	0	0	0	0	0	0	0	-	-	-
LENTAN	9 9	146	16.1	8.3	12.2	-	20.7	13	5.4	7	10.7	-	47	-	19	3	12	9	0	0	0	0	0	0	0	0	-	-	-
NAIRN	9 9	6	16.2	9.0	12.6	-1.5	22.5	29	4.6	17	-	-	57	93	23	3	14	12	0	0	0	0	0	0	0	0	3.93	86	-
ONICH	9 9	15	17.3	8.6	12.9	-0.6	25.5	11	3.0	21	-	-	87	58	23	27	12	12	0	0	0	0	0	0	0	0	-	-	-
POOLEME	9 9	6	15.3	9.7	12.5	-	21.2	27	7.4	5.8.10	-	-	61	-	13	24	19	13	0	0	0	0	0	0	0	0	3.09	-	S
PRABST	9 9	67	15.2	9.1	12.1	-	21.3	11	6.4	12.13	-	-	78	62	16	24	22	14	0	0	0	0	0	0	0	0	-	-	-
STRATHCONAN	9 9	107	16.9	8.5	12.7	-	21.4	9	4.3	15	-	-	30	-	6	3	14	10	0	0	0	0	0	0	0	0	4.25	-	-
TARBRAYNESS	21-9	18	15.4	9.5	12.5	-1.2	19.2	29	7.3	7	-	-	42	-	17	3	13	11	0	0	0	0	0	0	0	0	-	-	-
TOWNTIN	9 9	311	(115.9)	(7.6)	(11.7)	-	(12.0)	29	3.5	7	-	-	89	-	44	3	13	9	0	0	0	0	0	0	0	0	-	-	-
TOWNSDALE	9 9	27	14.5	9.0	11.7	-	20.5	22.29	3.5	17	-	-	30	-	4	3	19	12	0	0	0	0	0	0	0	0	3.22	-	-
WICK	21-9	36	13.8	8.9	11.3	-1.2	20.1	28	5.6	17	-	-	51	80	11	3	21	13	0	0	0	0	0	0	0	0	3.25	72	-

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			MEANS OF		DAILY MEAN (MEAN OF 8-8)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM	LOWEST MINIMUM	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION	0-2 MM OR MORE 1-0 MM DR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	DROPS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DATE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE			
			MAX. (A)	MIN. (B)			MAX.	MIN.																								
6 SCOTLAND N																																
STRAITHCLYDE																																
ACHALACHORACH	9 9	12	17.4	11.8	13.2	-	22.5	10	3.8	21	-	-	56	44	12	25	16	10	0	0	0	0	0	0	0	0	0	0	0	0	-	-
AROS	9 9	37	17.1	9.7	13.4	-	24.2	11	4.8	21	-	-	66	15	27	13	10	0	0	0	0	2	0	0	0	0	0	0	0	0	-	-
BUCHINCRIE	9 9	45	17.0	9.9	13.5	-0.8	22.5	10.11	5.1	21	13.7	12.4	47	58	10	22	14	10	0	0	0	1	0	0	0	0	0	0	5.81	117	-	
BENMORE (YOUNGER BOTANICAL GARDEN)	9 9	12	17.2	8.9	13.5	-	22.3	31	5.6	13	15.7	-	160	91	53	25	17	13	0	0	0	0	1	0	0	0	0	0	0	0	-	-
BRODICK CASTLE	9 9	15	18.1	10.1	14.1	-	23.4	31	6.4	15	15.9	-	105	74	28	25	16	12	0	0	0	0	0	0	0	0	0	0	0	0	-	-
CAMPS RESERVOIR	9 9	295	15.4	7.4	11.4	-	20.9	11	3.1	7	-	-	104	115	21	27	16	15	0	0	0	0	1	1	0	0	0	0	0	4.28	-	-
CARNATH	9 9	208	16.8	7.4	12.1	-	21.6	13	2.3	6	13.2	-	63	84	21	3	16	12	0	0	0	0	0	0	0	2	0	2	-	-	-	
CARTBRIDGE	9 9	66	17.7	9.3	13.5	-	22.5	13	6.0	6.21	-	-	78	105	23	3	13	11	0	0	0	0	0	0	0	0	0	0	0	-	-	
COLONSAY	9 9	35	15.7	10.2	12.9	-	20.8	11	7.5	21	-	-	58	-	14	1	15	12	0	0	0	0	0	0	0	0	0	0	0	-	-	
CRAIGHOUSE	9 9	4	15.9	9.1	12.5	-	20.8	30	4.0	21	-	-	76	-	21	25	14	11	0	0	0	0	0	1	0	0	0	0	0	-	-	
CRAIGFORD JOHN	9 9	274	15.8	7.7	11.7	-	22.0	11	3.8	10	12.8	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0	0	0	4.12	-	-	
CUNOCK	9 9	99	17.0	8.2	12.6	-	22.9	10	2.2	21	15.0	-	59	-	21	3	14	8	0	0	0	0	0	0	0	0	0	0	5.04	-	-	
CUNSTAFFNOE	9 9	3	16.3	9.9	13.1	-	23.1	11	4.3	21	-	-	98	-	17	22	17	13	0	0	0	0	0	0	0	1	0	0	0	-	-	
EAST KILBRIDE	9 9	178	16.6	9.2	12.9	-	20.4	12.13	6.0	13	-	-	93	-	24	3	14	12	0	0	0	0	0	0	0	0	0	0	5.90	-	-	
DIRVAH	9 9	8	17.0	10.8	13.9	-	20.2	20.31	7.3	21	-	-	67	99	18	3	14	13	0	0	0	0	0	0	0	0	0	0	5.70	-	-	
OLASOON																																
ABBOTSLINCH AIRPORT	21-9	5	18.2	9.5	13.9	-0.8	22.5	13	5.0	6	-	-	65	-	14	25	14	11	0	0	0	0	0	0	0	0	0	0	5.95	116	-	
SPRINGBURN PARK	9 9	107	17.6	9.8	13.7	-0.8	22.5	13	7.0	6.21	-	-	59	68	14	25	15	12	0	0	0	1	4	0	0	0	0	0	5.69	116	-	
WEATHER CENTRE (X)	21-9	40	17.9	11.1	14.5	-	22.4	13	9.0	6	-	-	58	-	18	3	13	10	0	0	0	1	1	0	0	0	0	0	5.49	-	-	
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	64	58	21	22	11	9	-	-	-	-	-	-	-	-	-	-	5.39	107	-	
HELENSBURGH	9 9	96	16.8	9.3	13.1	-1.2	21.4	13	6.0	15	-	-	55	51	16	25	11	8	-	-	-	1	0	0	0	0	0	0	5.26	-	-	
HUNTERSTON	9 9	8	16.8	10.5	13.7	-	21.8	31	8.1	6	-	-	63	-	22	25	13	9	0	0	0	0	0	0	0	0	0	0	0	-	-	
KILDRON	9 9	18	16.5	9.5	13.0	-	22.0	31	6.0	6	-	-	77	-	14	25	19	11	0	0	0	0	0	0	0	0	0	0	6.43	-	-	
KNAPDALE FOREST	9 9	12	17.0	8.9	12.9	-	22.7	11	2.2	21	-	-	91	-	131	25	14	12	0	0	0	0	0	0	0	0	0	0	0	-	-	
LEARNHILLS	9 9	388	14.9	7.6	11.3	-	21.1	11	3.1	6.21	-	-	130	111	39	27	10	18	0	0	0	0	1	0	0	0	0	0	0	-	-	
MACARTHUR	21-9	10	15.6	10.3	12.9	-	20.0	10	6.4	21	-	-	74	84	24	25	16	14	0	0	0	0	0	0	0	0	0	0	5.48	-	-	
MILLPORT	9 9	5	16.9	10.1	13.5	-	22.8	31	7.0	6	-	-	61	67	20	25	15	11	0	0	0	0	1	0	0	0	0	0	0	-	-	
PRISLEY	9 9	32	18.2	10.7	14.5	-0.6	22.1	13	3.4	16	15.1	13.4	72	89	15	25	14	11	0	0	0	0	0	0	0	0	0	0	5.54	112	-	
PRESTWICK	21-9	16	17.1	9.7	13.4	-	23.1	10	3.8	21	-	-	52	62	11	22	14	11	0	0	0	0	1	0	0	0	0	0	5.73	-	-	
RYHVAL	21-9	20	14.8	10.4	12.6	-	19.8	10	8.4	3	-	-	99	92	27	25	15	12	0	0	0	0	0	0	0	0	0	0	0	-	-	
ROTHESAY	9 9	43	17.1	9.9	13.5	-	22.5	31	6.5	21	13.2	11.6	92	81	21	25	14	13	0	0	0	0	0	0	0	0	0	0	0	-	-	
SLOY	21-9	12	17.4	10.2	13.8	-	22.1	13	4.7	21	-	-	133	-	33	27	15	11	0	0	0	0	0	0	0	0	0	0	0	-	-	
STRONACHULLIN	9 9	2	16.5	10.1	13.0	-	21.5	11	5.5	21	-	-	125	-	58	25	15	12	0	0	0	0	0	0	0	0	0	0	0	-	-	
TIREE	21-9	9	15.1	10.3	12.7	-0.7	18.5	10	6.6	21	-	-	53	62	13	27	17	13	0	0	0	0	0	0	0	0	0	0	5.12	99	-	
UPHAWOOD	9 9	128	16.7	8.5	12.6	-	21.4	12	3.0	21	-	-	122	-	23	25	14	12	0	0	0	0	1	0	0	0	0	0	0	-	-	
CENTRAL																																
ROCKHAYRE	9 9	30	-	9.4	-	-	-	-	5.4	6	14.0	-	86	-	27	25	12	9	-	-	-	0	0	0	0	0	0	0	0	5.99	-	-
CALLANDER	9 9	107	18.4	8.2	13.3	-	24.0	13	3.3	21	-	-	119	107	34	27	14	12	0	0	0	0	3	0	0	0	0	0	0	-	-	
EARLS HILL	21-9	335	15.5	7.9	11.7	-	21.3	13	4.1	21	-	-	134	-	33	25	15	12	0	0	0	0	0	0	0	0	0	0	5.65	-	-	
FALKIRK	9 9	3	17.9	10.2	14.1	-	21.9	9	6.6	21	-	-	68	-	16	25	13	12	0	0	0	0	0	0	0	0	0	0	4.85	-	-	
GRANDEBOTH	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PARKHEAD	9 9	107	18.3	9.7	14.0	-	23.0	13	5.0	21	15.5	-	82	-	27	3	11	10	0	0	0	0	0	0	0	0	0	0	0	-	-	
STIRLING (DOTTENFLATS)	9 9	30	18.8	9.5	14.1	-	23.3	13	5.0	21	15.1	13.5	85	-	22	25	13	8	0	0	0	0	1	0	0	0	0	0	5.86	-	-	
DUMFRIES & GALLOWAY																																
BARRHEAD	9 9	110	17.1	7.9	12.5	-	22.0	11.12	2.0	21	-	-	111	109	38	25	19	12	0	0	0	0	1	1	0	2	0	0	0	-	-	
CLATTERINGSHAW	9 9	178	16.9	8.1	12.5	-	23.3	13	3.7	21	-	-	100	77	38	25	13	13	0	0	0	0	0	0	0	0	0	0	5.29	-	-	
DUMFRIES	9 9	49	17.7	9.9	13.8	-0.7	23.7	13	4.3	21	14.8	13.3	49	50	21	25	9	8	0	0	0	0	2	2	0	1	0	0	4.80	98	-	
DUNDELOH	9 9	119	17.5	8.4	12.9	-	23.1	11	0.7	21	13.3	-	91	92	29	25	14	10	0	0	0	0	0	0	0	0	0	0	0	-	-	
ESKDALEHUIR	21-9	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PSYCHROMETER	9 9	16.5	7.4	11.9	-	22.7	13	1.8	6	-	13.2	11.7	94	85	25	22	17	13	0	0	0	0	1	0	0	0	1	0	0	4.58	102	-
SCREEN	9 9	17.0	7.6	12.3	-0.8	23.0	13	2.1	6	-	-	-	59	-	27	25	12	6	-	-	-	-	-	-	-	-	-	-	6.16	-	-	
DIROSTINWOOD	9 9	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-</		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. THERMAL ALIGHT MIN. OF STATION	HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																														
			MEANS OF		HIGHEST MAXIMUM	DATE	LOWEST MINIMUM	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIPITATION (MM)	DATE	0-2 MM HOURS 1-0 MM DE MORE	SNOW OR SLEET	SNOW LYING AT 09	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 09	AIR FROST	DRASS MIN. BELOW 0 DEG C	DRASS MAX. BELOW 0 DEG C	DRASS DATE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE																										
			MAX. (A)	MIN. (B)																																																			
2 ENGLAND E & NE -CONTINUED																																																							
DURHAM	9 9	102	17.8	9.8	13.8	-1.1	23.2	29	6.1	10	15.1	13.4	61	107	16	30	15	9	0	0	0	0	0	0	0	0	0	0	4.49	90	3																								
DURHAM	9 9	155	17.3	8.5	12.9	-	24.3	29	4.5	21	13.4	11.2	66	-	15	30	12	11	0	0	0	0	0	0	0	0	0	0	4.49	90	3																								
WIDYBANK FELL	9 9	513	14.7	7.2	10.9	-	20.0	29	3.6	12	10.7	-	63	-	13	25	17	13	0	0	0	0	0	0	0	0	0	0	5.12	-	-																								
CLEVELAND																																																							
HARTBURN GRANGE	9 9	31	18.1	9.6	13.9	-	23.5	27	4.4	11	-	-	79	143	21	30	16	11	0	0	0	0	0	0	0	0	0	0	4.25	-	-																								
HARTLEPOOL	9 9	9	17.2	10.9	14.1	-1.4	23.8	27	8.0	4	-	-	71	118	19	30	13	9	0	0	0	0	0	0	0	0	0	0	4.65	-	-																								
NORTH YORKSHIRE																																																							
ASKHAM BRYAN	9 9	33	18.6	9.4	14.0	-	24.8	13	6.1	11	-	-	111	209	30	29	16	15	0	0	0	0	0	0	0	0	0	0	4.40	86	-																								
CARDOO	9 9	6	18.3	10.0	14.1	-	24.2	29	5.9	11	15.3	14.4	108	200	21	30	15	13	0	0	0	0	0	0	0	0	0	0	4.40	-	-																								
HIGH NORTHROP	9 9	175	17.0	-	-	-	21.3	29	-	-	14.6	-	120	176	51	29	16	14	0	0	0	0	0	0	0	0	0	0	4.34	-	-																								
LEEDING	21-9	32	18.6	10.6	14.6	-	25.0	29	6.6	10	15.3	13.7	65	139	20	30	13	9	0	0	0	0	0	0	0	0	0	0	4.90	-	-																								
HALHAM TARN	9 9	395	-	-	-	-	-	-	-	-	-	-	85	71	15	25	17	16	0	0	0	0	0	0	0	0	0	0	-	-	-																								
PICKERING	9 9	44	18.5	9.1	13.8	-	23.1	27	3.9	12	-	-	96	180	37	29	14	12	0	0	0	0	0	0	0	0	0	0	-	-	-																								
SCARBOROUGH	9 9	52	17.1	10.5	13.8	-	23.6	27	7.0	11-12	15.2	13.6	111	199	21	29	16	14	0	0	0	0	0	0	0	0	0	0	4.96	87	-																								
SILPHO MOOR	9 9	203	16.6	9.0	12.8	-	22.4	27	4.8	11	13.0	-	129	167	27	29	17	14	0	0	0	0	0	0	0	0	0	0	4.82	-	-																								
SWAIZEHOLME	9 9	290	15.9	7.9	11.9	-	25.3	17	2.4	11	12.9	-	76	-	17	27	18	14	0	0	0	0	0	0	0	0	0	0	4.49	-	-																								
WHITBY	9 9	41	17.2	10.2	13.7	-	23.6	27	4.9	11	-	-	108	-	23	31	15	11	0	0	0	0	0	0	0	0	0	0	5.31	-	-																								
WHITBY (CASTLE GUARD)	21-9	60	16.4	10.1	13.3	-	23.6	27	5.1	11	-	-	102	-	27	29	15	10	0	0	0	0	0	0	0	0	0	0	2	-	-																								
YORK (WESLINGTON)	9 9	19	18.5	9.9	14.2	-	24.3	29	7.2	4	15.2	14.1	97	186	24	29	15	13	0	0	0	0	0	0	0	0	0	0	4.65	-	-																								
NUMBERSIDE																																																							
BRIDLINGTON	9 9	48	16.4	9.6	13.0	-	23.6	27	5.1	11	-	-	74	117	12	4	15	12	0	0	0	0	0	0	0	0	0	0	4.75	-	-																								
CLEETHORPES	9 9	7	17.8	11.2	14.5	-1.5	25.1	27	7.6	11	-	-	40	76	8	29	15	12	0	0	0	0	0	0	0	0	0	0	3.53	60	-																								
HULL	9 9	2	19.0	11.0	15.0	-1.3	24.7	27	6.7	11	16.3	14.3	69	119	19	29	17	14	0	0	0	0	0	0	0	0	0	0	4.57	83	-																								
LINCOLNSHIRE																																																							
BIBBROOK	21-9	108	17.2	9.8	13.5	-	23.3	27	5.3	11	-	-	68	97	10	29	18	16	0	0	0	0	0	0	0	0	0	0	4.08	-	-																								
CRISTON	9 9	21	18.2	9.5	13.9	-	23.7	27	4.1	11	-	-	71	-	16	29	15	13	0	0	0	0	0	0	0	0	0	0	-	-	-																								
CRAWFELL	9 9	62	18.4	10.3	14.3	-1.6	24.2	27	29	10	16.5	15.5	58	103	8	1	17	12	0	0	0	0	0	0	0	0	0	0	4.75	82	-																								
KIRTON	9 9	4	18.5	10.0	14.3	-	24.0	28	5.9	10	15.0	12.9	53	-	7	23	14	13	0	0	0	0	0	0	0	0	0	0	4.65	-	-																								
LINCOLN	9 9	6	18.7	10.2	14.5	-1.4	24.8	29	3.9	11	15.5	14.0	59	-	16	29	13	12	0	0	0	0	0	0	0	0	0	0	4.35	-	-																								
SKEGNESS	9 9	5	17.2	11.4	14.3	-1.6	24.1	27	8.0	1	-	-	75	132	29	29	16	11	0	0	0	0	0	0	0	0	0	0	5.00	83	-																								
SUTTON BRIDGE	9 9	4	-	-	-	-	-	-	-	-	-	-	76	143	16	30	10	9	0	0	0	0	0	0	0	0	0	0	-	-	-																								
WADDINGTON	21-9	68	18.4	10.5	14.5	-1.4	24.7	29	6.4	10	-	-	60	110	11	29	15	13	0	0	0	0	0	0	0	0	0	0	4.50	76	-																								
3 EAST ANGLIA																																																							
NORFOLK																																																							
COLTISHALL	21-9	17	18.6	11.0	14.8	-	25.7	27	29	12	-	-	68	114	31	29	16	11	0	0	0	0	0	0	0	0	0	0	-	-	-																								
CROMER	9 9	54	18.2	11.0	14.6	-1.3	25.4	29	7.7	4	-	-	64	102	16	3	15	14	0	0	0	0	0	0	0	0	0	0	6.02	99	-																								
GARLESTON	9 9	2	17.7	12.0	14.9	-1.2	23.1	28	9.0	12-13	16.0	14.2	30	54	6	4	14	9	0	0	0	0	0	0	0	0	0	0	4.94	76	3																								
HARHAM	21-9	23	19.0	10.9	14.9	-	25.0	27	7.4	10	-	-	64	-	14	29	17	11	0	0	0	0	0	0	0	0	0	0	4.15	-	-																								
HOLLEY ST BOTOLPH	9 9	46	18.6	10.3	14.5	-	25.0	29	5.3	10	15.9	-	71	-	18	29	15	13	0	0	0	0	0	0	0	0	0	0	4.44	-	-																								
SANTON DONHAM	9 9	24	19.1	10.3	14.7	-	25.0	29	3.0	10	15.0	13.6	55	143	29	29	15	10	0	0	0	0	0	0	0	0	0	0	4.01	-	-																								
SCOLE	9 9	27	19.5	11.1	15.3	-	26.5	28	7.3	10	16.4	15.4	37	-	7	30	15	10	0	0	0	0	0	0	0	0	0	0	4.29	-	-																								
TERRINGTON ST CLEMENT	9 9	3	19.1	10.1	14.6	-1.5	24.5	27	5.5	10	15.6	-	68	129	12	23	15	12	0	0	0	0	0	0	0	0	0	0	4.51	78	-																								
CAMBRIDGESHIRE																																																							
BOXMOUTH	9 9	53	19.0	10.6	14.8	-	24.1	27	6.2	10	-	-	53	101	15	31	15	11	0	0	0	0	0	0	0	0	0	0	0	3.66	-	-																							
CAMBRIDGE																																																							
BOTANIC GARDEN	9 9	12	19.6	11.1	15.3	-1.4	24.8	27	6.2	10	15.8	14.6	40	68	13	31	14	8	0	0	0	0	0	0	0	0	0	0	-	-	-																								
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	24	19.5	10.0	14.7	-	24.5	29	6.0	10	-	-	37	63	11	31	11	9	0	0	0	0	0	0	0	0	0	0	0	3.64	60	-																							
MARCH	9 9	2	-	-	-	-	-	-	-	-	-	-	77	134	13	30	16	14	0	0	0	0	0	0	0	0	0	0	-	-	-																								
MARHOLN	9 9	21	-	-	-	-	-	-	-	-	-	-	70	-	12	31	14	12	0	0	0	0	0	0	0	0	0	0	-	-	-																								
NEPAL	9 9	-2	19.0	10.1	14.5	-	24.2	27	5.2	10	15.4	12.9	58	-	11	3	13	11	0	0	0	0	0	0	0	0	0	0	3.45	-	-																								
NOVKS MOOD	9 9	39	18.9	10.4	14.7	-	23.6	29	4.8	10	15.8	13.7	65	124	16	31	19	11	0	0	0	0	0	0	0	0	0	0	3.69	-	-																								
WITTERING	21-9																																																						

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMP. MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE												
			MEANS OF		DAILY MEAN (MEAN OF 4-8)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST		LOWEST		50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION (MM)	0-2 MM OR MORE	1-0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 09H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 09H	RAIN FROST	DRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DRIZZLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE				
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																									
4 MIDLAND COUNTIES																																			
WEST YORKSHIRE																																			
BRADFORD	9 9	134	17.7	10.4	14.1	-1.1	24.4	29	7.0	6	14.2	12.8	45	68	11	25	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61	88	S	
BRAYHAM	9 9	54	18.3	9.5	13.9	-	24.1	29	5.1	11	-	-	89	157	17	30	16	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HUDDESFIELD (DAMES)	21-9	232	18.0	9.7	13.9	-1.2	25.7	29	6.8	4	13.0	10.8	49	63	10	31	15	11	0	0	0	0	1	2	0	0	0	0	0	0	0	0	4.30	80	-
ILKLEY	9 9	83	18.4	10.1	14.3	-1.1	24.5	13	6.3	8	-	-	47	65	9	31	17	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PONTEFRAC	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOODMORDEN	9 9	160	17.0	9.9	13.5	-	23.0	29	6.0	10	-	-	81	-	19	25	17	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WILSON	9 9	262	16.6	9.3	12.9	-	23.5	29	6.0	10	4.6	-	55	-	12	31	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH YORKSHIRE																																			
FINNINDLEY	21-9	10	19.0	10.2	14.6	-	26.2	29	4.9	11	-	-	83	150	28	29	15	12	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4.08	-	-
STEEFIELD	9 9	206	17.5	10.2	13.9	-	24.4	29	7.3	4	-	-	57	-	10	29	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DORS	9 9	131	18.3	10.9	14.6	-1.4	26.0	29	7.9	13	15.3	13.8	59	98	11	29	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86	94	-	
DERBYSHIRE																																			
ASHOVER	9 9	178	18.1	10.3	14.2	-	24.6	29	6.4	12	-	-	67	-	17	29	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4.85	-	-	
BUXTON	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DERBY	9 9	48	19.2	11.4	15.3	-	25.7	29	7.7	10	-	-	60	106	16	29	14	11	0	0	0	0	1	0	0	0	0	0	0	0	0	4.70	-	S	
WINGERDORTH	9 9	116	18.1	9.3	13.7	-	24.3	29	4.8	10	15.4	-	68	-	16	29	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4.80	-	S	
NOTTINGHAMSHIRE																																			
MANSFIELD	9 9	114	18.5	10.5	14.5	-1.4	25.0	29	6.5	10	-	-	71	-	23	29	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PENHURP	9 9	58	(18.8) (7.8)	(13.3)	-	25.0	29	2.2	10	-	-	-	60	-	13	29	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOTTINGHAM	9 9	59	19.2	11.3	15.3	-1.2	25.6	29	8.0	4	15.9	14.5	55	99	25	29	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92	98	-	
CUTTON DONKINGTON	9 9	48	19.1	9.6	14.3	-1.6	25.3	29	4.7	10	14.9	13.6	55	104	19	29	16	15	0	0	0	0	0	0	0	0	0	0	0	0	0	5.03	93	-	
WASOP	9 9	46	19.0	9.5	14.3	-	25.6	29	4.5	10	-	-	72	136	25	29	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.29	-	-	
NATWALL	21-9	117	18.4	10.6	14.5	-1.2	25.3	29	7.5	10	-	-	65	104	19	29	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.38	83	-	
STAFFORDSHIRE																																			
KEELE	9 9	179	17.0	10.2	13.6	-	22.7	29	7.2	4	14.2	12.3	82	117	12	25	17	12	0	0	0	0	1	0	0	0	0	0	0	0	0	4.32	-	S	
OKEN	9 9	125	18.4	10.1	14.3	-1.0	24.1	29	6.3	10	15.4	-	72	113	22	29	17	14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
PENKIRGE	9 9	101	18.2	9.4	13.8	-	23.4	29	4.2	10	-	-	53	86	9	29	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STONE	9 9	107	17.6	10.1	13.9	-	23.0	29	5.0	10	-	-	64	98	11	27	16	14	0	0	0	0	0	0	0	0	0	0	0	0	0	5.02	-	-	
LEICESTERSHIRE																																			
CHALCOTT	9 9	53	19.2	10.1	14.7	-	25.1	29	4.7	25	-	-	63	134	15	29	15	14	0	0	0	0	2	0	0	0	0	0	0	0	0	4.53	-	-	
NEWTOWN LINCOLN	9 9	119	18.8	9.5	14.1	-	25.2	29	4.6	25	-	-	67	112	19	29	16	14	0	0	0	0	1	0	0	0	0	0	0	0	0	5.02	-	-	
SALOP																																			
WYMPON LOADE	9 9	70	19.4	10.3	14.9	-	24.5	29	5.6	7	-	-	100	-	28	29	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-	5.71	-	-	
NEWPORT	9 9	64	18.7	10.4	14.5	-0.8	24.2	13	6.6	10	-	-	64	102	11	27	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	5.17	99	-	
OSMESTRY	9 9	174	17.8	10.8	14.3	-0.8	25.4	29	8.0	4.25	-	-	70	100	16	3	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4.72	90	S	
PRESTON MONTFORD	9 9	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SHARSBURY	21-9	92	18.5	10.6	14.5	-1.2	23.0	13.29	6.0	25	-	-	77	124	14	3	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.84	89	-	
SHREWSBURY	9 9	56	-	-	-	-	-	-	-	-	-	-	60	109	13	31	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.28	80	-	
WEST MIDLANDS																																			
BIRMINGHAM																																			
EDGBASTON	21-9	163	18.6	11.3	14.9	-1.1	25.3	29	7.4	4	12.7	-	84	127	23	29	16	11	0	0	0	0	1	0	0	0	0	0	0	0	0	5.11	97	-	
ELMDON AIRPORT	21-9	96	19.3	10.5	14.9	-1.0	25.2	29	4.8	10	-	-	79	-	35	29	16	11	0	0	0	0	2	0	0	0	0	0	0	0	0	5.19	91	-	
KING EDWARD'S SCHOOL	9 9	137	19.3	10.7	15.0	-	24.9	29	6.7	4	-	-	82	132	22	29	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COVENTRY AIRPORT	9 9	81	19.2	10.5	14.9	-	25.2	29	5.9	25	14.3	13.2	68	-	20	29	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	5.11	-	-	
WARWICKSHIRE																																			
LUDDINGTON	9 9	56	19.8	10.5	15.1	-	25.2	29	6.1	7	-	-	91	-	30	29	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.76	-	-	
NORFOLK HORRELL	9 9	85	19.6	10.3	14.9	-	26.0	29	5.0	11	-	-	100	183	39	29	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	4.79	-	-	
RUGBY	9 9	116	19.4	10.8	15.1	-1.0	25.0	29	7.3	11	16.4	14.9	64	110	17	29	14	11	0	0	0	0	1	-	-	-	-	-	-	-	-	-	-		
SHIPSTON-ON-STOUR	9 9	111	19.8	10.7	15.3	-0.7	25.2	29	6.0	25	15.6	-	113	199	38	29	16	13	0	0	0	0	1	0	0	0	0	0	0	0	1	4.54	79	-	
STARTFORD-UPON-AVON	9 9	49	20.0	9.9	14.9	-1.2	25.7	29	4.0	7	16.2	-	89	160	33	29	15	10	-	0	-	-	-	-	-	-	-	-	-	-	4.31	77	-		
WELLESBOURNE	9 9	47	19.9	10.4	15.1	-	26.3	29	5.7	10	15.5	14.2	112	216	53	29	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	5.31	-	-	
NORTHAMPTONSHIRE																																			
BUDBOURNE HILLS	9 9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PAULTON PARK	9 9	122	18.7	10.5	14.6	-	24.2	29	7.2	10	15.3	13.8	64	-	18	31	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5.14	-	S	
RANDBORN	9 9	59	19.5	10.4	14.9	-1.4	25.7	29	5.0	10	16.1	13.6	71	134	17	31	16	12	0	0	0	0	2	1	0	0	0	0	0	0	0	5.41	62	-	
HEREFORD & WORCESTER																																			
ASTHED BANK	9 9	139	19.8	10.5	15.1	-	26.0	29	5.7	7	-	-	72	-	19	31	13	13	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
HEREFORD	9 9	51	(20.3) (11.2)	(15.7)	-	26.1	14	5.8	25	16.5	14.8	53	111	27	31	13	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	-	-	
LYONSALL	9 9	155	19.2	10.9	15.1	-0.5	24.2	14	7.5	7	-	-	80	121	28	31	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MALVERN	9 9	62	19.9	11.9	15.9	-	25.3	14	8.3	25	16.1	13.8	70	119	21	31																			

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE	MAX. MIN.	TERMINAL HEIGHT OF OBSERVATION (FEET)	AIR TEMPERATURE IN DEGREES C										MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE	
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION (0.2 MM OR MORE OR MORE)	SNOW OR SLEET SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	WETTED PAVEMENT CONCRETE MIN. BELON DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE EXPOSURE	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																		
5 ENGLAND SE & CENTRAL S.																												
GREATER LONDON																												
BROMLEY	9 9	65	19.9	12.2	16.1	-1.2	27.0	28	9.0	1.4	10	77	146	51	31	12	6	0	0	0	0	0	0	0	0	4.40	-	
GREENWICH	9 9	7	(20.2)	(12.9)	(16.5)	-	26.9	28	8.5	1	-	59	109	41	31	10	7	0	0	0	0	0	0	0	0	4.40	-	
HAMPSTEAD	9 9	137	19.5	11.6	15.5	-1.2	26.0	28	8.1	4	-	59	91	39	31	16	10	0	0	0	0	0	0	0	0	4.07	80 S	
HARROGATE	9 9	12	19.8	11.0	15.4	-	25.5	29	7.0	1	16.2	14.9	53	29	31	12	10	0	0	0	0	0	0	0	0	4.50	-	
HARTWORTH AIRPORT	21-9	25	20.5	12.7	16.6	-0.8	26.1	28	8.8	25	-	-	55	113	25	31	13	10	0	0	0	0	0	0	0	4.50	-	
KENSINGTON PALACE	9 9	25	19.8	11.0	15.4	-	25.5	29	7.0	1	16.2	14.9	53	29	31	12	10	0	0	0	0	0	0	0	0	4.50	-	
KEM	21-9	5	19.7	11.6	15.7	-	25.1	28.29	5.3	25	15.5	13.7	66	114	31	31	14	8	0	0	0	1	0	0	0	5.02	79 -	
PSYCHROMETER	21-9	5	20.2	12.6	16.4	-1.1	26.6	29	7.9	25	-	-	66	114	31	31	14	8	0	0	0	1	0	0	0	5.02	79 -	
NORTH WALL SCREEN	21-9	5	20.2	12.6	16.4	-1.1	26.6	29	7.9	25	-	-	66	114	31	31	14	8	0	0	0	1	0	0	0	5.02	79 -	
LONDON																												
WEATHER CENTRE (X)	21-9	77	20.1	13.6	16.9	-	26.4	28	10.1	4	-	-	47	30	31	11	7	0	0	0	0	0	0	0	0	4.70	79 -	
ST JAMES PARK	9 9	9	20.4	13.1	16.7	-1.2	26.9	28	9.2	4	-	-	56	97	35	31	13	7	0	0	0	0	0	0	0	4.70	79 -	
SOUTHAMPTON	9 9	67	(19.6)	(11.9)	(15.7)	-1.4	25.5	29	8.0	11	15.4	-	69	107	35	31	12	11	0	0	0	0	0	0	0	4.61	84 S	
WATFORD	9 9	59	19.8	12.1	15.9	-1.2	26.0	28	8.0	25	-	-	80	141	55	31	13	8	0	0	0	0	0	0	0	4.61	84 S	
WILTSHIRE																												
BOSCOMBE DOWN	21-9	126	19.0	10.8	14.9	-1.2	25.2	14	5.7	25	-	-	68	145	26	31	12	9	0	0	0	2	1	0	0	4.73	76 -	
LACOCK	9 9	49	19.3	10.8	15.1	-	25.3	29	5.4	7	-	-	108	197	36	31	14	10	0	0	0	1	0	0	0	-	-	
LARKHILL	9 9	132	19.1	10.8	14.9	-1.0	25.0	29	5.6	25	-	-	92	187	30	31	14	9	0	0	0	2	0	0	0	-	-	
LITTON	21-9	145	18.8	11.2	15.0	-0.9	24.6	29	7.1	7	-	-	98	185	31	31	14	10	0	0	0	2	1	0	0	4.50	-	
PORTON	9 9	111	19.1	10.5	14.8	-1.0	25.4	29	5.3	25	15.3	-	76	154	38	31	13	9	0	0	0	1	0	0	0	4.41	69 -	
TROMBRIDGE	9 9	37	19.9	11.6	15.7	-	26.2	14	6.1	25	16.3	-	100	166	30	31	12	9	0	0	0	4	1	0	0	-	-	
UPRIVON	21-9	179	18.9	10.9	14.9	-	24.6	14	6.1	7.25	-	-	90	166	30	31	13	9	0	0	1	0	1	0	0	-	-	
BERKSHIRE																												
EASTHAMPTON	9 9	77	19.5	10.6	15.1	-	25.2	29	3.9	25	14.9	13.6	59	25	31	13	8	0	0	0	3	0	0	0	0	4.75	-	
HURLEY	9 9	43	19.9	11.1	15.5	-	26.1	29	6.0	25	16.2	-	65	105	31	31	12	9	0	0	0	1	0	0	0	4.58	-	
LARDON (HARRIS FARM)	9 9	192	18.7	10.1	14.4	-	24.1	29	5.6	25	15.5	-	95	29	31	13	11	0	0	0	0	3	0	0	0	-	-	
READING	9 9	66	19.6	11.4	15.5	-	25.9	29	4.9	25	15.7	14.0	71	31	31	11	10	0	0	0	0	1	0	0	0	4.65	-	
SHINFIELD (N.I.R.O.)	9 9	62	19.7	11.3	15.5	-	25.8	29	6.5	25	-	-	60	25	31	12	10	0	0	0	2	3	0	0	0	4.16	-	
SURREY																												
WISLEY	9 9	32	20.3	11.2	15.7	-1.2	25.9	28	5.5	25	16.3	14.8	50	77	27	31	14	7	0	0	0	1	3	0	0	4.71	75 -	
KENT																												
DOVER R.N.S.	9 9	123	17.7	12.8	15.3	-	19.9	28	9.0	1	-	-	49	93	15	31	10	7	0	0	0	1	0	0	0	-	-	
DUNDESS	9 9	6	17.7	12.8	15.3	-	19.9	28	9.0	1	-	-	49	93	15	31	10	7	0	0	0	1	0	0	0	-	-	
EAST HALLING	9 9	52	19.6	11.2	15.4	-1.1	26.4	29	6.9	1.10	16.1	14.6	68	121	30	31	12	7	0	0	0	2	0	0	0	4.55	70 -	
EDWARDS	9 9	45	19.5	10.7	15.1	-	25.4	28	5.9	1	-	-	47	20	31	12	5	0	0	0	0	0	0	0	0	4.66	-	
ELNSTONE	9 9	5	19.8	10.6	15.2	-	26.4	28	5.5	17	-	-	52	96	15	31	12	6	0	0	0	1	0	0	0	-	-	
FALERSHAM	9 9	48	19.4	11.4	15.4	-	25.5	28	7.1	10	15.5	14.4	96	174	52	31	15	6	0	0	0	3	1	0	0	4.21	-	
FAVERSHAM	9 9	31	18.3	11.6	14.9	-	24.0	29	6.1	17	-	-	74	116	45	31	14	8	0	0	0	2	1	0	0	5.46	78 -	
FLAKESTONE	9 9	3	20.5	12.6	16.5	-	27.6	28	8.5	10.17	-	-	80	154	150	31	11	11	0	0	0	0	0	0	0	-	-	
GILLINGHAM	9 9	85	19.0	10.9	14.9	-1.2	24.5	28	6.5	1	-	-	60	99	19	29	11	8	0	0	0	1	0	0	0	-	-	
GOODHURST	9 9	27	19.7	10.2	14.9	-	25.9	28	5.7	1	15.9	14.5	72	34	31	10	8	0	0	0	2	0	0	0	0	3.86	-	
HARLOW COLLEGE	9 9	66	19.6	11.4	15.1	-	25.5	28	7.5	10	16.0	-	48	14	29	11	6	0	0	0	1	0	0	0	0	4.81	71 -	
HEARNE BAY	21-9	44	18.9	10.2	15.5	-	25.8	28	8.8	1	-	-	28	53	9	31	12	7	0	0	0	2	0	0	0	4.26	-	
HARSTON	9 9	16	18.3	13.1	15.7	-1.5	24.1	28	9.7	4	16.3	14.8	29	60	9	31	12	6	0	0	0	1	0	0	0	4.13	58 -	
HARGATE	21-9	47	19.8	10.3	15.1	-	26.6	28	6.0	1	-	-	96	30	31	13	8	0	0	0	2	0	0	0	0	4.31	-	
ULCOMBE	9 9	56	19.3	10.9	15.1	-1.4	24.4	28	6.6	25	15.6	14.3	91	154	54	31	16	6	0	0	0	1	1	0	0	4.11	63	
WYE	9 9	115	19.2	10.9	15.1	-1.0	24.7	14	5.6	25	-	-	65	100	22	30	13	11	0	0	0	0	3	0	0	3.65	-	
HAMPSHIRE																												
ALICE HOLY LODGE	9 9	16	18.5	11.7	15.1	-	24.7	14	6.0	25	-	-	91	171	49	31	13	11	0	0	0	0	1	0	0	5.02	-	
EXETER	9 9	4	19.2	12.9	16.1	-	26.1	14	9.0	25	-	-	71	163	32	31	12	9	0	0	0	1	0	0	0	4.95	-	
HAYLING ISLAND	9 9	117	19.3	10.4	14.9	-1.2	25.5	29	5.6	25	14.8	-	70	123	32	31	12	9	0	0	0	0	2	0	0	4.29	68 -	
LECKFORD	9 9	145	19.2	10.9	15.1	-	24.8	29	7.4	11	16.8	13.8	112	173	60	30	14	8	0	0	0	1	2	0	0	4.42	71 -	
LONG SUTTON	9 9	84	19.4	10.7	15.1	-	25.5	29	4.9	25	-	-	61	107	21	31	13	10	0	0	0	0	0					

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMP. (HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE					
			MEANS OF		DAILY MEAN (MEAN OF 24 H)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST		LOWEST		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SHOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	WATER MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE				
			MAX.	MIN.			MAX.	DATE	MIN.	DATE																			AMOUNT (MM)	DATE		
			MAX. (H)	MIN. (H)			MAX.	DATE	MIN.	DATE																			DATE	DATE		
7A ENGLAND NW 4 I.O.H.																																
CUMBRIA																																
CARLISLE ...	21-9	26	10.2	10.2	14.2	-	23.0	11	4.9	21	15.9	14.5	48	58	16	1	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	5-12
GRIZZLEDALE ...	9-9	35	17.7	9.5	13.6	-	22.4	13	5.1	4	-	-	79	79	27	22	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4-30
NEWTOWN HOUSE ...	9-9	91	17.9	7.8	12.9	-	23.0	13	3.3	21	13.9	-	81	60	25	22	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5-39
MORFON RIGGS ...	9-9	556	13.8	6.2	10.0	-	19.2	13	1.7	10-11	10.7	-	40	69	15	4	19	16	0	0	0	0	0	0	0	0	0	0	0	0	0	5.09
SELLFIRE ...	9-9	171	17.5	9.4	13.5	-0.8	23.1	13	5.5	10	15.5	-	71	85	22	26	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5.09
LANCASHIRE																																105.5
HAZELRIDGE ...	9-9	95	16.7	10.4	13.5	-	21.2	27	6.4	4	-	-	63	-	17	1	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5.22
HELSHOLME ...	9-9	260	16.0	9.8	12.9	-	21.0	29	6.8	11	13.2	-	117	92	23	25	17	16	0	0	0	0	0	0	0	0	0	0	0	0	0	4.90
RIBblesdale ...	9-9	24	17.1	10.7	13.9	-	21.5	12	7.0	10	-	-	60	75	16	22	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	5.26
PRESTON ...	9-9	33	17.6	11.0	14.3	-0.7	22.6	10	8.0	4	-	-	68	79	11	1	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	5.62
SLIBURN ...	9-9	192	16.8	9.0	12.9	-	22.2	27	6.3	4	-	-	69	58	12	25	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4.65
SQUIRES GATE AIRPORT ...	21-9	10	17.5	11.2	14.3	-1.2	23.3	27	6.0	11	-	-	76	104	18	25	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	5.41
STONYHURST ...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	
MERSEYSIDE																																
RIGBORTH ...	9-9	12	17.8	11.9	14.9	-	22.6	12	8.4	4	-	-	89	-	19	3	17	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.48
BIDSTON ...	9-9	60	16.9	11.8	14.3	-	22.7	27	8.4	4	-	-	89	-	17	31	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.70
ST HELENS ...	9-9	76	18.1	10.9	14.9	-	23.6	27	7.5	4	16.1	-	86	-	14	25	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	4.76
SOUTHPORT ...	9-9	5	17.0	10.8	13.9	-1.6	21.8	27	6.4	10	15.2	12.4	84	119	14	25	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.97
WEST KIRBY PARK ...	9-9	7	18.0	12.2	15.1	-1.0	23.4	12	9.4	17	-	-	78	117	18	31	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	84
GREATER MANCHESTER																																
BOLTON ...	9-9	107	17.1	10.6	13.9	-	22.3	29	6.0	11	13.8	12.6	114	-	23	25	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	4.46
MANCHESTER																																90.5
RINGMART AIRPORT ...	21-9	75	17.7	11.1	14.4	-1.3	23.2	29	6.7	10	-	-	56	74	9	25	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64
MERTHER CENTRE (X)	21-9	69	18.1	12.0	15.1	-	24.5	29	8.8	4	-	-	70	-	12	25	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4.73
CHESTER																																
KNUTSFORD ...	9-9	65	18.3	10.3	14.3	-	24.1	29	6.2	10	15.2	14.1	67	86	10	25	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	-
MACCLESFIELD ...	9-9	152	17.5	10.5	14.0	-1.4	23.2	27.29	7.3	10	-	-	86	97	15	1	19	15	0	0	0	0	0	0	0	0	0	0	0	0	0	-
NESS GARDENS ...	9-9	30	17.7	11.0	14.3	-	23.0	27	7.9	11	15.7	-	78	120	24	31	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.43
ISLE OF MAN																																-
DOUGLAS ...	9-9	85	16.0	10.3	13.1	-1.2	21.9	13	7.1	4	-	-	78	101	40	25	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	2
POINT OF AYRE ...	21-9	9	17.3	10.9	14.1	-1.0	21.9	28	9.2	30	-	-	46	78	15	25	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20
KONALDSRY AIRPORT ...	21-9	16	16.2	10.6	13.4	-0.9	21.5	13	8.1	21	-	-	70	121	35	25	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08
7B WALES N																																100
GWYNEDD																																93
BALA ...	9-9	163	17.4	9.5	13.5	-	22.5	13	3.9	12	15.1	13.9	73	93	14	22	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.51
RABSEY ISLAND ...	21-9	15	15.0	11.5	13.3	-	17.5	10	9.5	3.4	-	-	79	130	19	25	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-
BETHS-Y-COED ...	9-9	20	-	10.2	-	-	-	-	6.3	7	15.5	-	88	-	23	22	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	-
BOTWYDD ...	9-9	34	16.7	10.6	13.7	-	20.3	13	7.3	17	16.0	14.7	87	114	18	25	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.97
CHWYSTROLLYN ...	9-9	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LLYN ALW ...	9-9	44	16.4	10.4	13.4	-	22.0	12	7.0	4	-	-	93	-	17	25	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.67
PEN-Y-FFRIDD ...	9-9	84	17.3	10.7	14.0	-	22.2	11	7.1	7	-	-	105	125	21	1	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.09
TRAFWYNIO ...	9-9	193	-	-	-	-	-	-	-	-	-	-	142	110	32	1	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-
VALLEY ...	21-9	10	16.6	11.4	14.0	-1.1	20.8	13	8.6	13	-	-	70	115	15	25	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5.26
CLYDE																																87
ALNEN ...	9-9	335	15.8	8.1	11.9	-	21.0	12	2.6	12	-	-	88	107	16	3	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-
BALCHOWNY ...	9-9	386	15.5	8.8	12.1	-	20.8	29	5.7	17	11.9	-	92	110	24	3	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-
COLWYN BAY ...	9-9	18	16.8	11.3	14.1	-	21.6	10	8.2	17	15.2	-	71	148	13	3	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-
CORNEN ...	9-9	144	17.5	9.4	13.5	-	22.2	12.29	4.6	11	-	-	46	65	9	31	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-
HAWARDEN BRIDGE ...	9-9	5	19.1	10.8	14.9	-1.2	23.9	27	6.0	17	-	-	81	135	26	31	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	-
LOGGHERHEADS ...	9-9	210	16.5	9.4	12.9	-	21.2	13	5.9	12	13.6	12.8	98	134	17	3	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	5.32
PRESTATYN ...	9-9	4	17.3	12.0	14.7	-1.0	23.2	27	9.1	17	-	-	75	142	17	3	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-
RUTHIN ...	9-9	76	17.6	10.5	14.1	-	22.5	29	6.5	12	-	-	64	105	20	3	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	4.94
PONTS(NORTH)																																
HOPE ...	9-9	91	19.4	10.6	15.0	-	25.0	29	6.6	25	15.9	-	55	-	14	31	13	11	0	0	0	0	0	0	0							

[illegible]

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMP. (°C)	MIN. TEMP. (°C)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE					
			MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM	50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SNOW OR SLUSH	SNOW OR SLUSH AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS FROST AT 9H	CONCRETE FROST AT 9H	DRY LEAF FROST	DAILY MEAN (°C)	PERCENTAGE OF 1961-70 AVERAGE						
			MAX.	MIN.																					DAILY MEAN (°C)	DIFFERENCE FROM 1961-70 AVERAGE	DATE	DATE		
			MAX.	MIN.	DAILY MEAN (°C)	DIFFERENCE FROM 1961-70 AVERAGE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE			
NORTHERN IRELAND																														
LONDONDERRY																														
ROBINSON	9.9	18	17.6	10.1	13.9	-	22.0	13	5.5	21	-	-	12	9	19	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BARRAGE (CAUGH HILL)	9.9	216	15.1	9.2	12.7	-	22.5	12	6.5	3.12	-	-	19	9	22	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARMONEY	9.9	73	16.0	10.2	13.0	-	20.4	27	7.0	21	-	-	13	9	20	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLERAINE UNIVERSITY	9.9	23	16.0	9.8	12.9	-	20.7	11	6.0	21	14.1	12.1	22	9	21	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOLKEERAGH	9.9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERRYNDY FOREST	9.9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GARRAH FOREST	9.9	88	16.7	9.1	12.9	-	22.7	12	4.5	21	-	-	70	21	9	20	12	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUGHMORE FOREST	9.9	174	16.4	9.0	12.7	-	21.9	12	1.7	21	-	-	87	90	14	9	24	18	0	0	0	0	0	0	0	0	0	0	0	0
HOME TOWN	9.9	34	17.2	9.4	13.3	-0.8	23.6	12	2.6	21	15.4	-	67	74	16	9	19	13	0	0	0	0	0	0	0	0	0	0	0	0
TRAFFORD POINT	9.9	16	17.5	9.9	13.7	-	22.7	12	6.7	12	-	-	78	16	9	20	13	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTRIM																														
ALDERMORE AIRPORT	21.9	68	17.4	10.2	13.8	-0.6	22.0	12	5.5	21	14.6	12.3	67	82	17	25	17	12	0	0	0	0	0	0	0	0	0	0	0	0
ALTIMANACH	9.9	213	15.2	8.0	12.0	-	20.7	12	3.4	21	-	-	95	70	17	25	20	16	0	0	0	0	0	0	0	0	0	0	0	0
BALLYMURFORD	9.9	24	16.3	10.2	13.3	-	20.5	26.28	7.3	15	-	-	56	-	23	25	13	8	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST	9.9	152	15.6	8.9	12.3	-	20.6	12	4.7	21	-	-	63	57	12	2	19	12	0	0	0	0	0	0	0	0	0	0	0	0
CARRIGLOUGH	9.9	12	17.5	-	-	-	20.8	26	-	-	-	-	37	-	9	25	14	7	0	0	0	0	0	0	0	0	0	0	0	0
DIVIS MOUNTAIN	9.9	363	14.9	7.5	11.2	-	21.4	13	4.0	5	15.7	-	127	120	29	25	18	16	0	0	0	0	0	0	0	0	0	0	0	0
GREENMOUNT	9.9	38	17.5	10.4	13.9	-	22.1	13	4.8	21	-	-	65	85	17	25	17	14	0	0	0	0	0	0	0	0	0	0	0	0
HYDE PARK (MALLUSK)	9.9	140	17.5	9.6	13.5	-	21.5	13	4.4	21	-	-	80	-	26	25	15	12	0	0	0	0	0	0	0	0	0	0	0	0
KILROOT POWER STATION	9.9	12	17.2	10.3	13.7	-	20.4	13	5.7	21	-	-	58	-	11	22	15	11	0	0	0	0	0	0	0	0	0	0	0	0
LISNAFILLAN	9.9	38	16.9	9.4	13.1	-	22.3	12	3.6	21	-	-	63	71	17	25	18	12	0	0	0	0	0	0	0	0	0	0	0	0
LONTOWN	9.9	271	15.3	8.6	11.9	-	20.0	12	4.8	21	12.5	-	83	67	24	25	18	16	0	0	0	0	0	0	0	0	0	0	0	0
PARKMARE FOREST	9.9	235	15.2	8.6	11.9	-	19.1	13	4.1	21	13.2	-	79	55	16	25	17	12	0	0	0	0	0	0	0	0	0	0	0	0
WOODBURN NORTH	9.9	217	15.5	8.8	12.1	-	20.0	12	5.0	21	-	-	90	86	30	25	17	13	0	0	0	0	0	0	0	0	0	0	0	0
BELFAST																														
ANDERSONSTOWN	9.9	64	17.6	10.1	13.9	-	23.5	13	6.1	7	-	-	77	-	15	22	16	15	0	0	0	0	0	0	0	0	0	0	0	0
HALLOWE	9.9	35	17.7	10.4	14.1	-	22.5	13	5.9	21	14.8	-	58	-	12	22	15	13	0	0	0	0	0	0	0	0	0	0	0	0
HILLTOWN	9.9	37	18.3	10.4	14.3	-	20.2	12.13	5.9	21	-	-	55	-	12	25	14	12	0	0	0	0	0	0	0	0	0	0	0	0
NEWTOWNADEY	9.9	32	17.3	11.1	14.2	-	20.7	30	6.5	21	15.3	-	68	80	18	22	14	13	0	0	0	0	0	0	0	0	0	0	0	0
ROSEBANK	9.9	47	17.8	10.1	13.9	-	22.3	13	7.0	12	-	-	50	-	17	24	12	11	0	0	0	0	0	0	0	0	0	0	0	0
ROSETTA	9.9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STORMONT CASTLE	9.9	56	17.1	10.4	13.7	-	21.6	13	6.9	21	15.1	13.5	53	66	14	25	15	10	0	0	0	0	0	0	0	0	0	0	0	0
DOWN																														
BANDOR SERCOURT	9.9	15	16.4	10.9	13.7	-	20.1	26	7.8	21	15.2	13.8	50	-	16	25	16	9	0	0	0	0	0	0	0	0	0	0	0	0
BALLYWATER PARK	9.9	11	-	-	-	-	-	-	-	-	-	-	52	71	16	25	13	7	0	0	0	0	0	0	0	0	0	0	0	0
BALLYPATRICK	9.9	6	17.1	10.5	13.8	-	20.3	26	7.1	21	14.9	13.3	49	74	14	25	16	9	0	0	0	0	0	0	0	0	0	0	0	0
DONPATRICK	9.9	26	17.7	10.5	14.1	-	21.8	13	7.3	12	-	-	63	-	19	25	13	8	-	-	-	-	-	-	-	-	-	-	-	-
HELLEN BAY	9.9	43	17.3	10.5	13.9	-	20.8	26	7.6	21	-	-	53	73	17	25	16	7	0	0	0	0	0	0	0	0	0	0	0	0
HILLSBOROUGH	9.9	116	16.5	9.9	13.2	-0.8	21.6	13	6.7	21	13.1	-	70	89	12	25	17	12	0	0	0	0	0	0	0	0	0	0	0	0
MAGHERALLY	9.9	97	17.4	9.2	13.3	-	23.2	13	4.4	12	-	-	75	-	17	9	16	11	0	0	0	0	0	0	0	0	0	0	0	0
MURLOUGH	9.9	9	17.1	9.4	13.3	-	21.7	30	4.6	11	13.9	12.3	80	-	31	25	10	9	0	0	0	0	0	0	0	0	0	0	0	0
NEART	9.9	1	17.6	10.9	14.3	-	23.4	13	6.6	12	-	-	66	-	17	26	13	11	0	0	0	0	0	0	0	0	0	0	0	0
SILENT VALLEY	9.9	129	16.0	10.3	13.1	-	19.8	13	7.8	12	-	-	133	-	35	25	17	11	0	0	0	0	0	0	0	0	0	0	0	0
DUBLIN																														
ARRAUGH	9.9	62	18.1	10.5	14.3	-0.6	23.5	13	6.9	12	16.4	14.8	56	74	15	9	17	14	0	0	0	0	0	0	0	0	0	0	0	0
LOUGHMALL	9.9	25	17.7	10.4	14.1	-	22.7	12	5.7	12	-	-	55	80	17	9	18	12	0	0	0	0	0	0	0	0	0	0	0	0
LURDON	9.9	55	18.1	10.6	14.3	-	23.0	13	6.5	12	14.9	13.1	63	88	16	9	19	11	0	0	0	0	0	0	0	0	0	0	0	0
TANDRAGEE	9.9	43	18.7	10.4	14.5	-	23.9	13	7.0	7	-	-	44	-	14	9	15	10	0	0	0	0	0	0	0	0	0	0	0	0
TYRONE																														
ALLTAYEDOWN	9.9	175	16.1	9.5	12.8	-	22.4	13	5.7	12	-	-	73	-	17	25	19	14	0	0	0	0	0	0	0	0	0	0	0	0
CARRIGLOUGH	21.9	113	17.1	10.0	13.5	-	23.5	12	6.6	7	-	-	85	94	24	25	22	16	0	0	0	0	0	0	0	0	0	0	0	0
COOKSTOWN	9.9	77	17.5	9.7	13.6	-	23.3	12	6.2	21	14.6	-	57	68	13	9	17	10	0	0	0	0	0	0	0	0	0	0	0	0
LOUGH BROWNE	9.9	169	16.3	8.3	12.3	-	21.9	12	3.8	12	-	-	75	67	17	21	24	17	0	0	0	0	0	0	0	0	0	0	0	0
PONEROY FOREST	9.9	174	16.7	9.3	13.0	-	21.4	11	6.0	12	15.3	-	76	82	17	25	18	15	0	0	0	0	0	0	0	0	0	0	0	0
STRABANE CONVENT	9.9	44	17.3	10.5	13.9	-	24.8	12	7.5	12	-	-	55	71	10	25	22	18	0	0	0	0	0	0	0	0	0	0	0	0
TIFFINNY	9.9	41	17.1	10.6	13.9	-	23.5	12	7.2	13	-	-	51	-	9	25	18	15	0	0	0	0	0	0	0	0	0	0	0	0
FERRARAGH																														
CASTLE ARCHDALE	9.9	66	17.0	10.2	13.6	-0.3	23.0	13	6.2	12	14.6	13.5	47	47	9	25	21	13	0	0	0	0	0	0	0	0	0	0	0	0
FOREST	9.9	156	16.3	10.2	13.3	-	22.4	13	7.4	24	-	-	79	-	17	2	18	17	0	0	0	0	0	0	0	0	0	0	0	0
COBART	9.9	53	-	-	-	-	-	-	-	-	-	-	39	-	10	25	13	9	0	0	0	0	0	0	0	0	0	0	0	0
KNOCKREYAN	9.9	49	17.7	10.4	14.1	-	24.2	13</																						

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

DISTRICT, REGION/COUNTRY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT					VISIBILITY					WIND SPEED AND DIRECTION																			
			AT MSL (mb)	DIFFERENCE FROM 1961-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WET BULB PRESSURE (mb)	RELATIVE HUMIDITY (%)	OCTAS					VISIBILITY					BEAUFORT FORCE																			
									0	1-2	3-5	6-7	8	SKY OBSERVED	0-50 M	50-100 M	100-200 M	200-500 M	500-1000 M	1000-2000 M	2000-3000 M	3000-4000 M	4000-5000 M	5000-6000 M	6000-7000 M	7000-8000 M	8000-9000 M	9000-10000 M										
																													SPEED (KT)									
																													BEAUFORT FORCE									
																													SPEED (KT)									
BEAUFORT FORCE																																						
NUMBER OF OBSERVATIONS																																						
0 SCOTLAND N																																						
SHETLAND																																						
FAIR ISLE	61	9	1011.5	-	9.7	0.4	11.4	94	6.8	0	2	2	12	11	4	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1011.9	-	10.4	0.6	11.7	93	6.8	0	3	0	11	16	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1012.0	-	9.5	0.5	11.3	95	7.3	0	0	1	16	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LERWICK	83	3	1011.1	-	8.6	0.3	10.9	96	6.9	0	1	5	4	18	3	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1011.2	-0.5	10.1	0.7	11.4	92	7.3	0	1	2	8	17	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1011.6	-	11.1	1.1	11.7	88	6.5	0	3	5	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		21	1011.9	-	9.3	0.4	11.2	95	7.4	0	0	3	8	18	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ORKNEY																																						
KIRKALL	26	3	1012.0	-	9.3	0.4	11.2	95	7.5	0	0	1	10	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.2	+0.1	11.2	1.0	11.8	88	6.9	0	1	3	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.5	-	12.3	1.4	12.0	83	6.8	0	2	2	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1012.8	-	10.2	0.6	11.5	92	7.2	0	1	1	11	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WESTERN ISLES																																						
BENBECULA	7	3	1012.4	-	10.9	0.5	12.2	93	7.1	0	1	0	20	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.9	+0.2	12.3	1.0	12.6	88	6.7	0	2	2	19	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1013.4	-	13.9	1.7	12.9	82	6.0	0	3	6	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1013.3	-	11.6	0.7	12.6	92	6.7	0	1	4	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
STORNOWAY	5	3	1012.4	-	10.3	0.4	11.8	94	7.3	0	0	2	13	15	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.9	+0.4	11.6	0.8	12.3	90	7.1	0	3	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1013.2	-	12.7	1.3	12.5	84	6.5	0	2	4	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1013.4	-	10.9	0.6	12.0	92	6.7	0	2	3	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HIGHLAND																																						
CAPE WRATH	113	3	1012.0	-	10.2	0.9	11.2	89	7.4	0	0	3	6	18	4	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.4	-	10.4	0.8	11.3	89	7.8	0	0	0	4	22	5	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1013.0	-	11.0	0.9	11.7	86	7.2	0	0	2	12	12	5	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1013.0	-	10.4	0.9	11.3	89	7.4	0	0	1	11	16	3	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
DALCROSS	12	9	1012.9	-	13.1	1.7	12.1	80	6.9	0	0	4	18	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.8	-	15.2	2.6	12.7	74	6.5	0	0	6	21	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WICK	37	3	1011.8	-	9.7	0.5	11.3	94	7.4	0	0	2	8	21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.0	-0.4	11.4	1.1	11.7	87	6.8	0	1	2	19	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.3	-	12.5	1.7	11.7	81	6.7	0	0	4	18	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1012.6	-	10.5	0.7	11.6	91	6.9	0	2	1	16	11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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GRAMPIAN																																						
DYCE	59	3	1012.2	-	10.4	0.8	11.3	89	6.5	0	4	2	12	12	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.5	-0.4	12.5	1.7	11.7	80	7.1	0	1	3	12	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.4	-	14.6	2.5	12.2	74	6.8	0	1	3	17	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1012.8	-	11.8	1.1	12.1	87	6.9	0	2	1	15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
FRASERBURGH	22	3	1011.9	-	10.8	0.7	11.9	91	7.3	0	0	3	7	19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.3	-0.5	12.0	1.2	12.0	86	7.0	0	0	5	7	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.4	-	12.9	1.5	12.4	84	6.6	0	0	6	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1012.6	-	11.5	0.8	12.3	91	7.1	0	1	3	7	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KINLOSS	6	3	1012.6	-	10.8	1.2	11.0	85	6.8	0	0	3	20	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.9	+0.2	13.0	2.1	11.4	76	6.9	0	0	5	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.9	-	14.9	2.7	12.2	72	6.1	0	3	4	20	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1013.5	-	12.2	1.5	11.8	85	6.4	0	4	1	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LOSSIENDUTH	6	3	1012.4	-	10.4	1.0	11.1	88	6.9	0	2	2	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		9	1012.7	-	13.1	1.8	11.8	78	6.9	0	4	4	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	1012.7	-	14.3	2.5	11.9	73	6.4	0	1	6	18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		21	1013.1	-	12.0	1.4	11.8	84	6.3	0	3	3	19	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TAYSIDE																																						
USAN	35	9	1013.1	-	12.8	1.4	12.5	84	6.1	0	3	5	11	12	0	0	0	0	0	0	0	0																

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF INSTRUMENT ABOVE MSL (FEET)	HOURS OF OBSERVATION (UNT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT				VISIBILITY										WIND SPEED AND DIRECTION																																																																													
			AT MSL (IN)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOR PRESSURE (IN)	RELATIVE HUMIDITY (%)	OKTAS				0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3500 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																																																																													
									0	1-2	3-5	6-7	8	SKY OBSERVED								34 OR MORE	SPEED (KNT)					N	NE	E	SE	S	SW	W	NW																																																																	
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT		VISIBILITY										WIND SPEED AND DIRECTION																			
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OCTAS	0	1 - 2	3 - 5	6 - 7	8	ANY OCCURRED	0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE												
																										SPEED (KTS)												
																										34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NN
NUMBER OF OBSERVATIONS																																						
3 EAST ANGLIA - CONTO. ESSEX																																						
SHOEBURYNASS	5	9	1015.7	-0.7	16.3	2.2	14.4	77	6.5	0	1	4	18	8	0	0	0	0	0	0	0	4	3	8	10	6	0	0	9	22	0	2	2	3	0	5	6	9
		15	1015.5	-	16.0	3.3	14.3	69	6.4	0	3	2	17	9	0	0	0	0	0	0	0	1	4	6	13	7	0	0	14	17	0	2	1	5	5	7	2	
		21	1015.9	-	15.4	1.7	14.5	82	5.7	0	7	2	17	5	0	0	0	0	0	0	2	5	6	13	5	0	0	10	21	0	2	6	0	7	7	2		
STANSTED	102	9	1015.3	-	12.0	0.6	13.0	92	6.4	1	2	4	13	11	0	0	2	2	1	1	10	11	4	0	0	0	0	3	25	3	2	4	0	2	4	5	7	4
		9	1015.6	-0.5	14.7	1.7	13.7	81	7.0	0	1	16	13	0	0	0	0	0	0	3	7	4	11	4	9	0	0	11	20	0	4	1	2	7	9	5		
		15	1015.1	-	17.9	3.8	13.1	64	6.4	0	1	7	14	9	0	0	0	0	0	0	3	7	14	7	0	0	0	14	17	0	0	5	0	4	3	11	5	
	21	1015.6	-	14.3	1.7	13.4	82	5.5	0	6	5	11	9	0	0	0	0	0	0	2	1	6	8	12	2	0	0	3	27	1	1	1	4	5	4	4	8	3
4 MIDLAND COUNTIES WEST YORKSHIRE																																						
HUDDESFIELD	235	3	1014.5	-	10.3	1.1	10.8	85	7.4	0	0	2	7	22	0	1	1	1	0	2	10	10	6	0	0	2	12	14	3	2	0	0	1	2	4	7	8	0
		9	1014.8	-	13.7	1.6	12.9	82	6.7	0	0	8	6	17	0	0	0	0	0	3	9	7	10	0	0	2	12	17	2	5	1	0	1	5	7	8	1	
		15	1014.7	-	16.3	2.8	13.3	72	6.9	0	0	4	15	12	0	0	0	0	0	1	4	8	17	1	1	0	16	14	0	2	1	0	3	2	9	11	3	
	21	1014.8	-	12.9	1.4	12.5	84	5.8	2	3	6	7	13	0	0	0	0	0	1	0	7	13	9	0	0	1	10	19	1	2	1	1	3	3	7	8	5	
WILSDEN	267	3	1014.7	-	10.2	0.6	11.5	92	6.0	0	4	7	4	11	5	0	1	3	1	0	5	20	1	0	0	0	0	10	15	6	1	0	2	2	4	1	11	4
		9	1014.7	-	12.5	1.5	11.9	82	6.0	1	1	9	7	13	0	0	0	0	0	3	9	9	10	0	0	0	12	19	1	2	1	3	2	3	10	9	0	
		15	1014.5	-	15.0	3.0	11.8	70	6.2	0	0	11	8	12	0	0	0	0	0	1	2	14	14	0	0	0	0	13	18	0	2	0	2	4	0	17	4	
	21	1014.9	-	12.3	1.4	11.9	83	5.5	1	4	10	3	13	0	0	0	0	0	1	5	21	4	0	0	0	0	8	20	3	3	0	3	1	2	6	13	0	
SOUTH YORKSHIRE																																						
FINNINGLEY	15	3	1014.3	-	11.1	0.7	12.2	92	6.1	1	2	6	13	8	1	0	3	1	1	1	3	12	9	1	0	0	4	22	5	3	1	0	3	6	1	9	3	
		9	1014.6	-0.5	14.6	2.0	13.1	79	6.4	0	1	8	8	14	0	0	0	0	1	3	5	3	13	6	0	0	11	19	1	3	1	2	1	5	4	6	0	
		15	1014.3	-	17.7	3.7	13.2	66	6.4	0	0	8	14	9	0	0	0	0	0	1	4	7	13	6	0	0	0	13	18	0	4	2	3	5	9	5	7	
	21	1014.6	-	14.1	1.5	13.5	83	6.0	2	3	2	14	10	0	0	0	0	0	1	2	5	9	14	0	0	4	27	0	3	3	4	2	5	5	7	4	0	
NOTTINGHAMSHIRE																																						
WATNALL	119	3	1015.0	-	11.5	0.7	12.5	92	6.6	1	2	2	12	13	1	0	0	1	0	2	2	7	12	7	0	0	0	3	26	2	4	2	2	1	1	7	8	4
		9	1015.1	-0.2	14.2	1.7	13.3	81	6.5	2	1	3	13	12	0	0	0	0	0	1	4	7	7	12	0	0	0	8	23	0	3	2	1	0	4	8	8	0
		15	1014.9	-	17.3	3.4	13.2	68	6.3	0	4	5	12	10	0	0	0	0	0	1	0	4	8	12	6	0	0	8	25	0	3	3	1	0	3	5	14	2
	21	1015.1	-	14.0	1.6	13.2	83	5.4	0	6	5	13	7	0	0	0	0	0	1	1	9	11	8	1	0	0	2	28	1	2	3	2	0	3	5	9	0	
SALOP																																						
SHAWBURY	76	3	1015.0	-	11.8	0.8	12.6	91	6.3	1	3	3	13	11	0	0	0	0	1	2	5	6	16	0	0	0	3	26	2	1	0	2	2	4	4	7	4	
		9	1015.2	-0.4	14.6	1.6	13.8	83	6.2	0	3	5	10	13	0	0	0	0	0	0	1	14	1	12	3	0	0	7	24	0	2	2	1	6	2	8	0	
		15	1015.0	-	17.6	3.2	13.9	69	5.9	0	2	11	10	8	0	0	0	0	0	0	4	6	15	6	0	0	16	15	0	6	0	2	1	2	3	9	0	
	21	1015.4	-	13.6	1.4	13.3	85	6.0	1	1	9	14	6	0	0	0	0	0	1	6	7	16	1	0	0	7	24	0	5	3	0	0	4	6	5	0		
WEST MIDLANDS																																						
EDGBASTON	165	9	1015.3	-0.7	14.2	2.3	12.1	75	6.6	1	2	2	12	14	0	0	0	0	1	0	10	12	6	2	0	0	5	26	0	3	1	3	0	7	2	7	0	
		15	1014.9	-	17.4	4.2	11.9	61	6.3	0	3	4	16	8	0	0	0	0	0	0	4	8	10	9	0	0	1	6	23	1	7	0	2	1	3	4	8	
		21	1015.4	-	15.0	2.6	12.5	73	6.1	0	5	4	10	12	0	0	0	0	1	0	8	12	9	1	0	0	4	26	1	7	2	2	0	3	4	5	0	
ELDON	100	3	1015.3	-	11.5	0.9	12.3	89	5.9	0	6	4	12	9	0	0	1	0	0	1	3	5	9	11	1	0	0	7	19	5	2	1	0	2	5	4	4	
		9	1015.4	-0.5	14.9	2.3	12.7	75	6.5	1	2	4	12	12	0	0	0	0	1	1	2	18	8	1	0	0	14	17	0	3	1	2	1	6	2	8		
		15	1015.0	-	18.1	4.4	13.2	60	5.9	0	8	15	6	10	0	0	0	0	0	1	1	15	8	0	0	0	15	16	0	4	0	2	1	4	5	0		
	21	1015.5	-	14.6	2.0	13.1	79	5.6	0	6	5	12	8	0	0	0	0	0	0	1	7	15	6	2	0	0	8	22	1	6	0	3	1	3	5	5	0	
GLOUCESTER																																						
INNSWORTH	24	3	1015.7	-	12.7	1.0	13.0	88	5.7	1	3	8	12	7	0	0	0	0	0	2	8	13	7	1	0	0	3	26	2	3	3	1	2	8	8	3	0	
		9	1016.0	-	15.6	2.5	13.3	74	6.4	1	1	5	16	8	0	0	0	0	1	1	4	9	8	0	0	0	7	24	0	3	0	2	0	3	8	9	0	
		15	1015.4	-	19.1	4.5	13.2	60	6.2	0	1	6	19	5	0	0	0	0	0	0	3	11	7	10	0	0	9	22	0	4	0	4	0	3	8	9	0	
	21	1015.8	-	15.7	2.3	13.7	77	6.2	1	3	3	14	10	0	0	0	0	0	1	1	9	5	10	5	0	0	2	29	0	4	2	1	0	11	4	7	0	
OXFORDSHIRE																																						
BENSON	74	3	1015.7	-	12.7	0.9	13.2	89	5.8	0	6	4	11	9	1	0	0	1	1	1	4	9	14	1	0	0	3	20	8	4	1	3	0	6	3	5	0	
		9	1015.9	-	15.5	2.2	13.6	76	6.5	1	2	7	17	10	0	0	0	0	1	2	0	1	11	9	7	0	10	18	3	4	0	3	1	3	6	6		
		15	1015.3	-	19.0	4.4	13.2	61	6.1	0	2	7	14	8	0	0	0	0	0	0	1	13	3	13	0	0	11	18	2	5	0	3	1	3	4	9	0	
	21	1015.8	-	15.5	2.0	13.9	79	6.3	0	3	4	15	9	0	0	0	0	0	3	7	8	7	6	0	0	4	20	7	1	3	2	1	6	5	5	0		
BRIZE NOTTON	92	3	1015.5	-	12.2	0.9	12.7	89	6.1	1	3	5	11	11	0	0	0	0	0	3	10	4	12	2	0	0	3	26	2	3	4	0	1	2	6	11	0	
		9	1015.6	-	15.4	2.5	13.0	74	6.8	1	1	7	17	11	0	0	0	0	0	1	2	13	9	6	0	0	10	21	0	4	1	2	2	4	6	0		
		15	1015.0	-	18.8	4.8	12.3	57	6.0	0	2	7	16	6	0	0	0	0	0	0	2	7	11	11	0	0	15	16	0	5	0	3	2	2	5	9		
	21	1015.4	-	15.5	2.2	13.7	77	6.2	0	5	4	10	12	0	0	0	0	0	1	9	6	8	7	0	0	7	24	0	3	4	0	0	3	8	8	0		
5 ENGLAND SE & CENT. S.																																						
GREATER LONDON																																						
HEATHROW	26	3	1015.6	-	13.4	0.9	14.0	90	5.6	0	6	4	13	8	0	0	0	0	2	2	10	9																

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE SEA LEVEL (FEET)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT					VISIBILITY										WIND SPEED AND DIRECTION																																																																										
			AT SEA (IN)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF MET BULB (DEGREES C) VAPOR PRESSURE	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW																																																													
								0	1	2	3	4											5	6	7	8	9									10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																																								
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

[illegible]

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

JULY 1978

STATION	MAXIMUM °C								MINIMUM °C								STATION	MAXIMUM °C								MINIMUM °C							
	0-2 ON LESS	0-1 TO 5-0	5-1 TO 10-0	10-1 TO 15-0	15-1 TO 20-0	20-1 TO 25-0	25-1 TO 30-0	ABOVE 30-0	-15-0 ON LESS	-15-0 TO -10-0	-10-0 TO -5-0	-5-0 TO 0-0	0-1 TO 5-0	5-1 TO 10-0	10-1 TO 15-0	15-1 TO 20-0		20-1 TO 25-0	25-1 TO 30-0	ABOVE 30-0	-15-0 ON LESS	-15-0 TO -10-0	-10-0 TO -5-0	-5-0 TO 0-0	0-1 TO 5-0	5-1 TO 10-0	10-1 TO 15-0	15-1 TO 20-0	20-1 TO 25-0	25-1 TO 30-0	ABOVE 30-0		
LERWICK (PSYCHROMETER)	0	0	3	26	2	0	0	0	0	0	0	0	0	26	5	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	2	16	13	0	0	0	0	0	0	0	9	19	3
LERWICK (SCREEN)	0	0	0	3	25	3	0	0	0	0	0	0	0	26	5	0	EDDABASTON	0	0	0	5	15	10	1	0	0	0	0	0	0	7	23	1
STORNOWAY	0	0	0	25	6	0	0	0	0	0	0	0	0	20	11	0	KEN (PSYCHROMETER)	0	0	0	1	17	11	2	0	0	0	0	0	0	7	22	2
CRABSTONE	0	0	1	12	17	1	0	0	0	0	0	0	0	22	9	0	KEN (NORTH-WALL SCREEN)	0	0	0	1	12	16	2	0	0	0	0	0	0	4	24	3
ROTHBAY	0	0	0	6	21	4	0	0	0	0	0	0	0	19	12	0	HASTINGS	0	0	0	1	26	4	0	0	0	0	0	0	0	3	25	3
ABBOTSWICH	0	0	0	4	19	8	0	0	0	0	0	0	1	17	13	0	SOUTHAMPTON	0	0	0	0	20	10	1	0	0	0	0	0	0	4	24	3
ESKDALEUIR (PSYCHROMETER)	0	0	0	10	18	5	0	0	0	0	0	0	6	17	6	0	STONTHURST	0	0	0	0	0	0	0	0	0	0	0	0	0	6	25	0
ESKDALEUIR (SCREEN)	0	0	0	8	18	5	0	0	0	0	0	0	5	18	8	0	VALLEY	0	0	0	8	19	4	0	0	0	0	0	0	0	6	25	0
DOUGLAS	0	0	0	8	21	2	0	0	0	0	0	0	0	13	18	0	RHOOSE	0	0	0	5	20	6	0	0	0	0	0	0	0	10	21	0
BOULMER	0	0	0	14	14	3	0	0	0	0	0	0	0	20	11	0	FALMOUTH	0	0	0	3	25	3	0	0	0	0	0	0	0	6	25	0
MULL	0	0	0	0	19	12	0	0	0	0	0	0	0	11	19	1	ALDERGROVE	0	0	0	5	20	6	0	0	0	0	0	0	0	16	15	0
DORLESTON	0	0	0	3	21	7	0	0	0	0	0	0	0	8	17	6	ARRAUGH	0	0	0	2	21	8	0	0	0	0	0	0	0	12	19	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JULY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF WIND IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

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Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

(x) Urban rooftop site.

